	Application No.	Applicant(s)	
Notice of Allowability	09/810.463	KUBO ET AL.	
	Examin r	Art Unit	
	Andrew Schechter	2871	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLO or other appropriate of IGHTS. This application	SED in this application. If not inclicommunication will be mailed in di	uded ue course. THIS
 This communication is responsive to the filing of 15 September 2. The allowed claim(s) is/are 2-19,21-25 and 27-30. The drawings filed on 19 March 2001 are accepted by the Acknowledgment is made of a claim for foreign priority under the second second	Examiner.)-(d) or (f).	
a) ⊠ All b) ☐ Some* c) ☐ None of the:			
1. 🛛 Certified copies of the priority documents have			
Certified copies of the priority documents have	e been received in App	olication No	
 Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). 	cuments have been re	eceived in this national stage appli	cation from the
* Certified copies not received:			
5. Acknowledgment is made of a claim for domestic priority u			
(a) The translation of the foreign language provisional a	•		
6. Acknowledgment is made of a claim for domestic priority u	nder 35 U.S.C. §§ 120	0 and/or 121.	
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of	this application. THI	S THREE-MONTH PERIOD IS NO	OT EXTENDABLE
 A SUBSTITUTE OATH OR DECLARATION must be subn INFORMAL PATENT APPLICATION (PTO-152) which gives reas 			or NOTICE OF
 CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Draftsper 1) hereto or 2) to Paper No 	son's Patent Drawing	Review (PTO-948) attached	
(b) ☐ including changes required by the proposed drawing	correction filed	, which has been approved by th	e Examiner.
(c) 🔲 including changes required by the attached Examiner	's Amendment / Com	ment or in the Office action of Pap	er No
Identifying indicia such as the application number (see 37 CFR 1 ach sheet.	.84(c)) should be writte	en on the drawings in the front (not	the back) of
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT FOR T 	osit of BIOLOGICAL THE DEPOSIT OF BIO	MATERIAL must be submitted DLOGICAL MATERIAL.	d. Note the
Attachm nt(s)			
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO-1449), Paper No Examiner's Comment Regarding Requirement for Deposit of Biological Material 	4□ In 6□ E	otice of Informal Patent Applicatio terview Summary (PTO-413), Pap xaminer's Amendment/Comment xaminer's Statement of Reasons f ther	per No

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DETAILED ACTION

Allowable Subject Matter

- 1. Claims 2-19, 21-25, and 27-30 allowed.
- 2. The following is an examiner's statement of reasons for allowance:

Nishiki discloses, in embodiments having the necessary connection line, that the transparent electrode is above the reflective one, so claim 2 is not anticipated by Nishiki. In particular, Fig. 5 [in which elements 4 and 11 are the same] discloses the reflection electrode above the transparent one, but the connection from the switching element to the second sub-pixel (the reflection electrode) is the direct contact between the first and second sub-pixels, not via a connection line. U.S. Patent No. 6,195,140 to Kubo et al. is a patent which relies on Nishiki for foreign priority. Its Fig. 14 is essentially the same as Nishiki's Fig. 7. Kubo's Figs. 32-33 show the reflection sub-pixel electrode overlapping the transparent sub-pixel electrode via a Mo layer [214]. It is the interpretation of the examiner that this layer does not constitute a "connection line" in the sense of claims 2 and 10 (essentially because it extends as a "line" parallel to the juncture instead of in the direction across the juncture). Claim 2 is therefore allowed, as are its dependent claims 3-9.

Neither *Nishiki* nor *Kubo* disclose the method of cutting the connection line to disconnect the second sub-pixel in the event of a short, as recited in claim 10. U.S. Patent No. 5,977,563 to *Kubo* et al., made of record by the applicant, discloses the basic technique of correcting for defects, when pixel electrodes short to each other, by

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cutting connection lines to the pixel electrodes. However, it does not disclose subpixels of different heights with the particular connection line recited in claims 2 and 10. Claim 10 and its dependent claims 11-19 are therefore allowed.

The prior art similarly does not disclose the additional limitation of the new claim 22, that (in the context of the device with first and second sub-pixels at different distances to the counter electrode, a feature which Ha does not have) there is a defect correction region of the connection line which is not overlaid by the second sub-pixel electrode. Claims 22 and 29 are therefore allowed, as are their dependent claims 23-25 and 30.

The connection line 114a in Ha (and similarly in Nishiki) is not designed to be cut for defect correction, so the second region's smaller width is not smaller "to facilitate cutting of the second region for defect correction", so claims 21 and 27 are allowed, as is dependent claim 28.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Schechter whose telephone number is (703) 306-5801. The examiner can normally be reached on Monday - Friday, 9:00 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert H. Kim can be reached on (703) 305-3492. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Andrew Schechter 8 October 2003

HAMINEY EXAMINER